

OCEAN GALES AND STORMS, JUNE 1934

Vessel	Voyage		Position at time of lowest barometer		Gale began	Time of lowest barometer	Gale ended	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Direction and highest force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Seapenn, Am. S.S.	Copenhagen.	Philadelphia.	42 12 N.	56 42 W.	June 1	8a. June 1	June 1	Inches 29.84	WSW	W, 4	W	WSW, 8	WSW-W.
Europa, Ger. S.S.	New York.	Cherbourg.	40 22 N.	50 52 W.	June 3	8p, 3	June 4	29.74	NW	N, 11	NNE	N, 11	NW-N-NNE.
Edingham, Am. S.S.	New Orleans.	London.	40 30 N.	49 40 W.	do.	9p, 3	June 3	29.74	NNE	NNE, 7	NE	NE, 9	N-NE.
Berlin, Ger. S.S.	Cobh.	Halifax.	48 12 N.	33 02 W.	June 5	6a, 5	June 5	29.13	E	NNE, 12	WNW	N, 12	E-NNE-WNW.
Carillo, Am. S.S.	Puerto Barrios.	New York.	17 35 N.	87 10 W.	June 4	6p, 6	June 6	29.61	ESE	E, 7	E	E, 7	None.
Exermont, Am. S.S.	Lisbon.	do.	42 33 N.	36 00 W.	June 6	9p, 6	do	29.59	S	S, 9	SSW	S, 9	S-W.
Poseidon, Du. S.S.	English Channel.	San Juan.	41 20 N.	32 05 W.	June 7	10a, 7	June 7	29.61	SW	SW, 8	NW	SSW, 10	SSW-NW
Silvercedar, Br. M.S.	Houston.	Colon.	21 11 N.	86 05 W.	June 8	2a, 9	June 10	29.83	ESE	ESE, 9	SE	ESE, 9	ESE-SE.
Sixola, Am. S.S.	New Orleans.	Tela.	19 26 N.	86 32 W.	do.	4a, 9	June 9	29.64	E	SSE, 10	S	E, 10	SE-S.
Darien, Pan. S.S.	Mobile.	Belize.	20 24 N.	86 12 W.	do.	do	June 10	29.71	E	E, 8	SSE	ESE, 9	E-ESE.
Wawa, Hond. S.S.	A. Obregon, Mexico.	Galveston.	23 13 N.	93 59 W.	June 9	Noon, 10.	June 11	29.59	WNW	N, 7	E	NE, 7	NW-N-NE.
Morazan, Hond. S.S.	New Orleans.	Vera Cruz.	20 40 N.	95 20 W.	June 10	2a, 11	do	29.51	NE	W, 8	W	W, 9	WNW-W.
Oriente, Am. S.S.	New York.	do	19 30 N.	94 12 W.	do	5a, 11	do	29.47	S	SW, 8	WNW	SW, 9	SW-W.
Hedderheim, Ger. S.S.	Houston.	Bremen.	39 21 N.	52 27 W.	June 11	2p, 11	do	29.74	SW	SW, 8	W	SW, 9	SW-NW.
Author, Br. S.S.	Belize.	Vera Cruz.	21 10 N.	92 46 W.	June 12	4a, 13	June 13	29.00	SSE	WNW, 8	W	S, 12	S-WNW-W.
A. C. Bedford, Am. S.S.	Port Aransas.	New York.	26 00 N.	88 50 W.	June 14	5a, 15	June 15	29.34	ENE	SE, 7	S	S, 8	None.
Teguigalpa, Hond. S.S.	New Orleans.	Vera Cruz.	28 13 N.	90 00 W.	June 16	6a, 16	June 16	29.43	ESE	SSE, 9	S	SE, 10	ESE-SSE-S.
Maiden Creek, Am. S.S.	Avonmouth.	Mobile.	32 43 N.	54 23 W.	June 18	4a, 18	June 18	29.62	SW	SW, 7	NW	WNW, 8	SW-NW.
Greystoke Castle, Br. M.S.	Gibraltar.	New York.	38 06 N.	45 31 W.	do.	Noon, 18.	do	29.82	SSW	SSW, 8	W	SSW, 8	SSW-W.
Breedyk, Du. S.S.	Rotterdam.	Baltimore.	37 08 N.	73 35 W.	June 19	1a, 19	June 19	29.56	S	S, 8	S	S, 8	SSE-S.
P. Q. Barstow, Am. S.S.	Cornwall.	Boston.	36 55 N.	72 40 W.	June 18	8p, 19	do	29.75	SE	SE, 8	NW	SSE, 8	SE-NW.
Colytto, Du. S.S.	Montreal.	London.	50 08 N.	13 55 W.	June 21	1p, 21	June 21	29.86	WSW	WSW, 8	W	WSW, 8	WSW-W.
Skagerak, Ger. M.S.	Liverpool.	Port Arthur.	46 40 N.	31 14 W.	do.	9p, 21	June 22	29.70	N	N, 5	NNE	N, 10	None.
Leto, Du. S.S.	Swansea.	Montreal.	51 54 N.	54 42 W.	June 30	1p, 30.	June 30	29.19	E	NNE, 8	NNW	NNE, 8	NNE-NNW.
NORTH PACIFIC OCEAN													
Dorothy Luckenbach, Am. S.S.	Los Angeles.	Balboa.	17 24 N.	101 54 W.	June 4	2a, 4	June 4	29.75	E	E, 8	E	E, 8	E-SE.
Slemmestad, Nor. M.S.	do.	Yokohama.	35 15 N.	143 30 E.	do.	9p, 4	do	29.68	SSW	SW, 4	SW	SW, 9	SW-WSW.
Pres. Jackson, Am. S.S.	Yokohama.	Victoria, B.C.	48 15 N.	125 30 W.	June 11	10p, 11	June 11	29.85	NNW	SSW, 5	WNW	NW, 8	NW-SSW.
Taisei Maru, Jap. S.S.	do.	Portland, Oreg.	36 30 N.	152 00 E.	June 17	9p, 17	June 17	29.26	SSW	SW, 9	NW	SW, 9	SSW-SW-NW.
Bronxville, Nor. M.S.	Dairen.	Los Angeles.	38 53 N.	148 40 E.	do.	11a, 17	June 18	29.49	ESE	E, 6	NNW	ENE, 8	ESE-ENE.
Golden Star, Am. S.S.	San Francisco.	Yokohama.	35 43 N.	141 54 E.	do.	2p, 21	June 21	29.66	SSW	SW, 9	SW	SW, 9	SSW-SW.
Bronxville, Nor. M.S.	Dairen.	Los Angeles.	45 40 N.	173 20 E.	June 22	11p, 22.	June 22	29.25	ESE	Var. 1	ESE	ESE, 8	ESE-NW.
Bonneville, Nor. M.S.	Manila.	do.	34 55 N.	121 33 W.	do.	4a, 23	do	29.98	N	N, 5	N	N, 8	None.
San Julian, Am. S.S.	Shanghai.	Portland, Oreg.	48 06 N.	178 06 E.	June 23	Noon, 23.	June 23	29.09	E	N, 6	NW	E, 9	E-N-NNW.

¹ Position approximate.
² Barometer uncorrected.

NORTH PACIFIC OCEAN, JUNE 1934

By WILLIS E. HURD

Atmospheric pressure.—The average pressure over the North Pacific Ocean during June 1934 was generally close to normal, although over the central Aleutians, at Dutch Harbor, the June average of 29.80 was 0.10 inch below. The Aleutian cyclone, though shallow, was thus indicated as persisting into early summer.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure at sea level, North Pacific Ocean, June 1934, at selected stations

Stations	Average pressure	Departure from normal	Highest	Date	Lowest	Date
	Inches	Inch	Inches		Inches	
Point Barrow	29.89	-0.10	30.30	11, 12	29.18	20
Dutch Harbor	29.80	- .10	30.52	29	29.38	6
St. Paul	29.84	- .02	30.54	29	29.28	1
Kodiak	29.87	- .04	30.36	30	29.46	2, 20
Juneau	29.98	- .03	30.39	8	29.46	21
Tatoosh Island	30.07	+ .05	30.40	29	29.75	5
San Francisco	29.91	- .05	30.05	7	29.62	5
Mazatlan	29.85	+ .02	29.98	19	29.72	12, 13
Honolulu	30.04	.00	30.12	19	29.92	6
Midway Island	30.08	+ .03	30.20	19, 20, 24	29.76	7
Guam	29.90	+ .03	29.94	16	29.80	28, 29
Manila	29.81	- .01	29.86	6, 12, 15	29.76	20, 23, 24, 30
Hong Kong	29.75		29.87	14	29.62	19
Naha	29.84	+ .09	29.96	14	29.70	9, 18
Chichishima	29.95	+ .04	30.10	14	29.82	28
Nemuro	29.86		30.08	10	29.66	27

¹ And on 7 other dates.

NOTE.—Data based on 1 daily observation only, except those for Juneau, Tatoosh Island, San Francisco, and Honolulu, which are based on 2 observations. Departures are computed from best available normals related to time of observation.

More than half of the ocean south of the northern low was dominated by anticyclonic conditions practically throughout the month, with average pressures for the most part slightly plus. In middle latitudes of the Far East, where anticyclones are unusual in June, pressure, though low, was somewhat above the normal, with a maximum plus departure of 0.09 inch at Naha, Nansei Islands.

Cyclones and gales.—June 1934 was one of the proverbially quite months on the north Pacific. Depressions as a rule were of moderate depth only, and unaccompanied by severe gales. The highest wind force recorded was 9, occurring on 4 days, mostly in Japanese waters. The lowest corrected barometer reading of the month was 29.09 inches, reported by the American S.S. *San Julian*, near 48° N., 178° E., on the early morning of the 23d, accompanied by fresh to strong gales.

Gales equalling or exceeding force 8, as indicated by present information, were comparatively few. These occurred east of Honshu on the 4th, 17th, and 21st; south of the western Aleutians on the 22d and 23d; near Vancouver Island on the 11th; off the California coast on the 22d; and off the Mexican coast west of Acapulco on the 4th.

In the Central American Pacific area the weather was disturbed from the 4th to 8th, owing to a depression which, during these days, affected both the west and the Caribbean coasts. The only gale noted as occurring in Pacific waters during the progress of the disturbance, was the fresh gale of the 4th near Acapulco, but rainfall